

Amendments to the Claims

1. (CURRENTLY AMENDED) A gear oil composition comprising the following components:

Component A: a base oil having a kinematic viscosity at 100°C of about 4 to about 32 cSt;

Component B: ~~an alkyl~~ a di-t-butyl di-sulfide, ~~alkyl~~ di-t-butyl tri-sulfide, and ~~alkyl~~ di-t-butyl tetra-sulfide, ~~or mixtures thereof with~~ mixture having a sulfur activity of greater than about 125 mg in the Copper Corrosion Test;

Component C: a dihydrocarbyl dithiophosphate ester or salt; and

Component D: a dihydrocarbyl (mono)thiophosphate amine salt.

2. (CANCELED)

3. (CURRENTLY AMENDED) A gear oil composition comprising the following components:

Component A: a base oil having a kinematic viscosity at 100°C of about 4 to about 32 cSt;

Component B: a di-t-butyl polysulfide mixture having ~~with~~ a sulfur activity of greater than about 125 mg in the Copper Corrosion Test;

Component C: a dihydrocarbyl dithiophosphate ester or salt; and

Component D: a dihydrocarbyl (mono)thiophosphate amine salt.

4. (ORIGINAL) The gear oil of claim 3, wherein said di-t-butyl polysulfide comprises less than about 3.5 percent by weight of the gear oil.

5. (CURRENTLY AMENDED) A gear oil composition comprising the following components:

Component A: a base oil having a kinematic viscosity at 100°C of about 4 to about 32 cSt;

Component B: ~~a hydrocarbyl polysulfide with~~ a di-t-butyl di-sulfide, di-t-butyl tri-sulfide, and di-t-butyl tetra-sulfide mixture having a sulfur activity of greater than about 125 mg in the Copper Corrosion Test;

Component C: the product of the mixture of dicyclopentadiene and dialkyldithiophosphoric acid,
wherein the weight percentage of Component C is about 0.1 to about 6.0 percent of the oil;

and

Component D: a dihydrocarbyl (mono)thiophosphate amine salt.

6. (CANCELED)

7. (ORIGINAL) The gear oil of claim 1, wherein Component D is essentially free of phosphites.

8. (ORIGINAL) The gear oil of claim 1, wherein Component D comprises the product of the
mixture of dibutylhydrogen phosphite, sulfur and at least one amine.

9. (ORIGINAL) The gear oil of claim 7, wherein the weight percentage of Component D is about
0.01 to about 1.0 percent of the oil.

10. (ORIGINAL) The gear oil of claim 1 further comprising at least one of:
a copper corrosion inhibitor, a rust inhibitor and an antifoam agent.

11. (ORIGINAL) The gear oil of claim 1 further comprising:
a boronated ashless dispersant.

12. (ORIGINAL) The gear oil of claim 11 wherein said dispersant is a succinimide

13. (ORIGINAL) The gear oil of claim 11 wherein said dispersant is a Mannich base dispersant.